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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.22.d AGS Sweep Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.22		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

V. Castillo

4.120.22.d AGS Sweep Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ Life Number: _____

Safety Section Head's Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ Life Number: _____

RSC Member's Name (Sign): _____ Date: ____/____/____

1.1 Test to sweep the AGS

	PLACE	AGS in Con. Acs. (CA) from MCR with 693 key and Light /Button (L/B) on Y-Panel	
<input type="checkbox"/>	VERIFY	MCR sees at Y-Panel AGS in	CA
	RESET	South Shield Door (SSD) at encl 2921 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 2921 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel SSD Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor SSD is	RESET
	RESET	C14 Escape (C14-E) gate at encl 1388 with 715 key	
<input type="checkbox"/>	VERIFY	At encls 1388, and 1390 (Ring door) Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel C14-E Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor C14-E gate is	RESET
	RESET	C14 Rest room at encl 1389 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1389 and 1390 (Ring door) Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor C14 Rest room is	RESET
	RESET	N322 gate at encl 5031 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 5031 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel N322 gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor N322 gate is	RESET
	RESET	AGS / HEBT gate at encl M14A24A3 with 715 key	
<input type="checkbox"/>	VERIFY	At encl M14A24A3 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel AGS / HEBT Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor AGS / HEBT gate is	RESET
	RESET	L19 Alcove at Reset encl with 715 key	
<input type="checkbox"/>	VERIFY	At Reset encl Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel L19 Alcove Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor L19 Alcove is	RESET
	RESET	Labyrinth A (Laby-A) gate at encl 4525 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 4525 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel Laby-A gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor Laby-A gate is	RESET
	RESET	Labyrinth B (Laby-B) gate at encl 4526 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 4526 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel Laby-B gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor Laby-B gate is	RESET
	RESET	K7 Escape (K7-E) at encl 1385 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1385 Reset light is	ON
<input type="checkbox"/>	VERIFY	At encl 1386, at bottom of stair, Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel K7-E Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor K7-E gate is	RESET
	RESET	North Conjunction (NrCon) gate at encl 2921 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 2921 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel NrCon Not Reset light is	OFF

<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor NrCon is	RESET
	RESET	I4 Alcove at Reset encl with 715 key	
<input type="checkbox"/>	VERIFY	At Reset encl Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel I4 Alcove Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor I4 Alcove is	RESET
	RESET	North gate at encl 1369 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1369 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel North gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor North gate is	RESET
	RESET	North Shield Door (NSD) at encl 2924 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 2924 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel NSD Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor NSD is	RESET
	RESET	F15 Alcove (So Wir. Tnnl. Hatch [SwtH])at encl 1378 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1378 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel F15 Alcove / SwtH Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor F15 Alcove / SwtH is	RESET
	RESET	South gate at encl 1369 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1369 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel South gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor South gate is	RESET
	RESET	No. Wir. Tnnl Term rm (NwtTr) gate at encl 1395 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1395 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel NwtTr Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor NwtTr gate is	RESET
	RESET	So. Wir. Tnnl Tgt Bldg (SwtTgt) gate at encl 1392 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1392 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel SwtTgt gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor SwtTgt gate is	RESET
<input type="checkbox"/>	VERIFY	At So. Wir. Tnnl Hatch (SwtH) at encl 1379 F15 Alcove is	RESET
<input type="checkbox"/>	VERIFY	At encl 1379 Reset light is	ON
	RESET	So. Wir. Tnnl Power room (SwtPr) gate at encl 1398 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1398 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel SwtPr gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor SwtPr gate is	RESET
	RESET	So. Wir. Tnnl Term room (SwtTr) gate at encl 1395 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 1395 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel SwtTr gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor SwtTr gate is	RESET
	RESET	FEB2 gate at encl 3343 with 715 key	
<input type="checkbox"/>	VERIFY	At encl 3343 Reset light is	ON
<input type="checkbox"/>	VERIFY	MCR sees at W-Panel FEB2 gate Not Reset light is	OFF
<input type="checkbox"/>	VERIFY	MCR sees at Opto monitor FEB2 gate is	RESET

- ☐ **VERIFY** **MCR sees at Opto Monitor AGS South, North, NrCon, Laby, N322, Swt gates and Lights** **OK**
- ☐ **VERIFY** **MCR sees at Opto Monitor AGS Hatches, Alcoves, Shield Doors and FEB2** **OK**
- ☐ **Check for acceptance of test to Sweep the AGS**

1.2 Test to drop AGS Sweep

- ☐ **VERIFY** **MCR sees at Opto Monitor AGS South, North, NrCon, Laby, N322, Swt gates and Lights** **OK**
- ☐ **VERIFY** **MCR sees at Opto Monitor AGS Hatches, Alcoves, Shield Doors and FEB2** **OK**
- OPEN** Any AGS gate ; **Name gate:** _____
- ☐ **VERIFY** **MCR sees at Opto Monitor AGS South, North, NrCon, Laby, N322, Swt gates and Lights** **INTERLOCK**
- OPEN** Any AGS Hatch, Shld Door or FEB2; **Name:** _____
- ☐ **VERIFY** **MCR sees at Opto Monitor AGS Hatches, Alcoves, Shield Doors and FEB2** **INTERLOCK**
- ☐ **Check for acceptance of test to drop AGS Sweep**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____